

WHAT IS CLAIMED IS:

1. A radiographic apparatus for obtaining an X-ray image on the basis of examination request information received from an external apparatus, comprising:

5 a storage unit adapted to store at least one default radiographing condition; and

a condition determination unit for determining a radiographing condition on the basis of the received examination request information and a default
10 radiographing condition, stored in said storage unit, corresponding to the received examination request information, wherein the received examination request information is given preference to the default radiographing condition.

15 2. The apparatus according to claim 1, further comprising:

an image sensing unit adapted to capture an X-ray image on the basis of the determined radiographing condition; and

20 a processor adapted to process the X-ray image captured by said image sensing unit on the basis of the determined radiographing condition.

3. The apparatus according to claim 1, wherein the radiographing condition contains transfer destination
25 information of an obtained X-ray image, and

said apparatus further comprises:

a reception unit adapted to receive transfer destination information from the external apparatus;
and

a transfer destination setup unit for setting the
5 transfer destination information in accordance with the transfer destination information received by said reception unit.

4. The apparatus according to claim 1, wherein the radiographing condition contains an X-ray irradiation aperture value, and the apparatus sends information
10 that concerns an X-ray irradiation aperture value to an X-ray generation apparatus in accordance with the determined X-ray irradiation aperture value.

5. The apparatus according to claim 1, wherein the radiographing condition contains an offset value,
15 associated with a relative position relation between an X-ray tube and an image sensor, and the apparatus sends information that concerns the offset value to an X-ray generation apparatus in accordance with the determined
20 offset value.

6. The apparatus according to claim 1, wherein the radiographing condition contains output format information, and the apparatus extracts at least a part of an obtained X-ray image in accordance with the
25 determined output format information.

7. The apparatus according to claim 1, wherein the radiographing condition contains an image rotation or

reverse condition, and the apparatus rotates or reverses an obtained X-ray image in a direction in accordance with the determined image rotation or reverse condition.

5 8. The apparatus according to claim 1, wherein the radiographing condition contains density information for determining an X-ray generation amount of an X-ray generator which radiates X-rays, and the apparatus executes an image processing in accordance with the
10 determined density information.

9. The apparatus according to claim 7, wherein the apparatus executes the image processing to increase a density of an obtained X-ray image if the density information designates a large density value, and to
15 decrease a density of an obtained X-ray image if the density information designates a small density value.

10. The apparatus according to claim 1, wherein the radiographing condition contains character information to be inserted on an obtained X-ray image, and the
20 apparatus inserts a designated character on an obtained X-ray image in accordance with the determined character information.

11. The apparatus according to claim 10, wherein said condition determination unit determines the character
25 information in accordance with at least one of information of a portion to be radiographed,

radiographing direction, and right/left distinction of a portion to be radiographed.

12. The apparatus according to claim 1, wherein the radiographing condition contains X-ray exposure time
5 information, and

said apparatus further comprises an arrangement for determining a grid moving speed in accordance with the determined X-ray exposure time information.

13. The apparatus according to claim 12, wherein the
10 determined X-ray exposure time is a time calculated based on a statistic of actual X-ray exposure times for previous radiographing operations made based on a predetermined radiographing condition determined by said condition determination unit.

14. The apparatus according to claim 13, wherein the
15 statistic is one of an average value, median value, and mode.

15. The apparatus according to claim 13, wherein the actual X-ray exposure time is received from an external
20 X-ray examination apparatus or X-ray generation apparatus.

16. The apparatus according to claim 13, further comprising an X-ray monitor for detecting X-ray irradiation,

25 wherein the actual X-ray exposure time is determined based on an output from said X-ray monitor.

17. The apparatus according to claim 1, wherein the examination request information contains information of an object to be radiographed, and

5 said condition determination unit determines a condition used to make at least one of X-ray irradiation control, image output format control, and image extraction control in accordance with the object information.

18. The apparatus according to claim 1, wherein said
10 condition determination unit comprises:

a selection unit for selecting a default radiographing condition from said storage unit on the basis of the received examination request information; and

15 a setting unit for setting each item of the radiographing condition by giving a condition based on the received examination request information preference to a corresponding condition based on the default radiographing condition.

20 19. The apparatus according to claim 18, wherein the examination request information contains radiographing method information including at least information of a portion to be radiographed, and said selection unit selects the default radiographing condition on the
25 basis of the radiographing method information.

20. The apparatus according to claim 18, wherein the examination request information contains at least one

radiographing condition, and said setting unit sets a
condition based on the radiographing condition
contained in the received examination request
information in preference to the selected default
5 radiographing condition.

21. The apparatus according to claim 18, further
comprising another storage unit adapted to store a
second default condition, and

10 wherein when one of the default radiographing
condition has an instruction to use a second default
condition, said selection unit sets the second default
condition as the radiographing condition corresponding
to the instruction.

15 22. A control apparatus which is connectable to a
plurality of radiographic apparatuses, and outputs
information to the radiographic apparatuses on the
basis of examination request information received from
an external apparatus, comprising:

20 an apparatus selection unit for selecting a
radiographic apparatus to be used on the basis of the
received examination request information; and

a communication unit adapted to send information
that pertains to the examination request information to
the selected radiographic apparatus.

25 23. The apparatus according to claim 22, wherein the
apparatus is communicatable with a plurality of
input/output apparatuses,

wherein processes based on inputs from said plurality of input/output apparatuses can be executed in parallel to each other.

24. The apparatus according to claim 23, wherein said
5 communication unit includes a wireless communication unit, and is communicatable with said plurality of input/output apparatuses via wireless channels.

25. The apparatus according to claim 22, further comprising a setting unit for setting a transmission
10 destination of an X-ray image obtained by a radiographic apparatus.

26. The apparatus according to claim 22, wherein the examination request information contains information of an object to be radiographed.

27. The apparatus according to claim 22, further comprising a setting unit for setting a radiographing
15 condition for a radiographic apparatus on the basis of the received information.

28. A control apparatus which is connectable to a
20 radiographic apparatus, and outputs information to the radiographic apparatus on the basis of examination request information received from an external apparatus, comprising:

a condition determination unit for determining a
25 radiographing condition on the basis of the received examination request information; and

a communication unit adapted to send the determined radiographing condition to the radiographic apparatus.

29. The apparatus according to claim 28, wherein the
5 apparatus is connectable to a plurality of radiographic apparatuses, and further comprising an apparatus selection unit for selecting a radiographic apparatus to be used on the basis of the received information.

30. The apparatus according to claim 28, wherein the
10 apparatus is communicatable with a plurality of input/output apparatuses,

wherein processes based on inputs from said plurality of input/output apparatuses can be executed parallel to each other.

31. The apparatus according to claim 30, wherein said
15 communication unit includes a wireless communication unit, and is communicatable with said plurality of input/output apparatuses via wireless channels.

32. The apparatus according to claim 28, further
20 comprising a setting unit for setting a transmission destination of an X-ray image obtained by a radiographic apparatus.

33. The apparatus according to claim 28, further
comprising a storage unit adapted to store at least one
25 default radiographing condition,

wherein said condition determination unit comprises:

a selection unit for selecting a default radiographing condition from said storage unit on the basis of the received examination request information; and

5 a setting unit for setting each item of the radiographing condition by giving a condition based on the received examination request information preference to a corresponding condition based on the default radiographing condition.

10 34. The apparatus according to claim 33, wherein the examination request information contains radiographing method information including at least information of a portion to be radiographed, and said selection unit selects the default radiographing condition on the
15 basis of the radiographing method information.

35. The apparatus according to claim 34, wherein the examination request information contains at least one radiographing condition, and said setting unit sets a condition based on the radiographing condition
20 contained in the received examination request information in preference to a corresponding default radiographing condition.

36. The apparatus according to claim 33, further comprising another storage unit adapted to store a
25 second default condition, and

wherein when one of the default radiographing condition has an instruction to use a second default

condition, said selection unit sets the second default condition as the radiographing condition corresponding to the instruction.

37. A radiographing method for obtaining an X-ray
5 image on the basis of examination request information received from an external apparatus, comprising:

obtaining a default radiographing condition from a storage unit based on the received examination request information; and

10 determining a radiographing condition on the basis of the received examination request information and the obtained default radiographing condition, wherein the received examination request information is given preference to the default radiographing condition.

15 38. A control method for outputting information to one of a plurality of radiographic apparatuses on the basis of examination request information received from an external apparatus, comprising:

selecting a radiographic apparatus to be used on
20 the basis of the received examination request information; and

sending information that pertains to the examination request information to the selected radiographic apparatus.

25 39. A control method for outputting information to one of a plurality of radiographic apparatuses on the

basis of examination request information received from
an external apparatus, comprising:

determining a radiographing condition on the
basis of the received examination request information;

5 and

sending the determined radiographing condition to
the radiographic apparatus.

40. A computer program product comprising a computer
usable medium having computer readable program code
10 means embodied in said medium for a radiographing
method for sensing an X-ray image on the basis of
examination request information received from an
external apparatus, said product including:

first computer readable program code means for
15 obtaining a default radiographing condition from a
storage unit based on the received examination request
information; and

second computer readable program code means for
determining a radiographing condition on the basis of
20 the received examination request information and the
obtained default radiographing condition, wherein the
received examination request information is given
preference to the default radiographing condition.

41. A computer program product comprising a computer
25 usable medium having computer readable program code
means embodied in said medium for a control method for
outputting information to one of a plurality of

radiographic apparatuses on the basis of examination request information received from an external apparatus, said product including:

first computer readable program code means for
5 selecting a radiographic apparatus to be used on the basis of the received examination request information; and

second computer readable program code means for sending information that pertains to the examination
10 request information to the selected radiographic apparatus.

42. A computer program product comprising a computer usable medium having computer readable program code means embodied in said medium for a control method for
15 outputting information to one of a plurality of radiographic apparatuses on the basis of examination request information received from an external apparatus, said product including:

first computer readable program code means for
20 determining a radiographing condition on the basis of the received examination request information; and

second computer readable program code means for sending the determined radiographing condition to the radiographic apparatus.